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SKETCHES

of the

SPRING VALLEY WATER WORKS

Respectfully dedicated

to

H. Wattson Esq. Sec.ty

November 1868.

by

Hermann D. A. Schuessler

Engr.

×628.1
Sk 29
687782
FORT VALLEY STATE COLLEGE
REFERENCE

S. V. W. W. property at Pilarcitos.

Scale 2 Miles : 1"

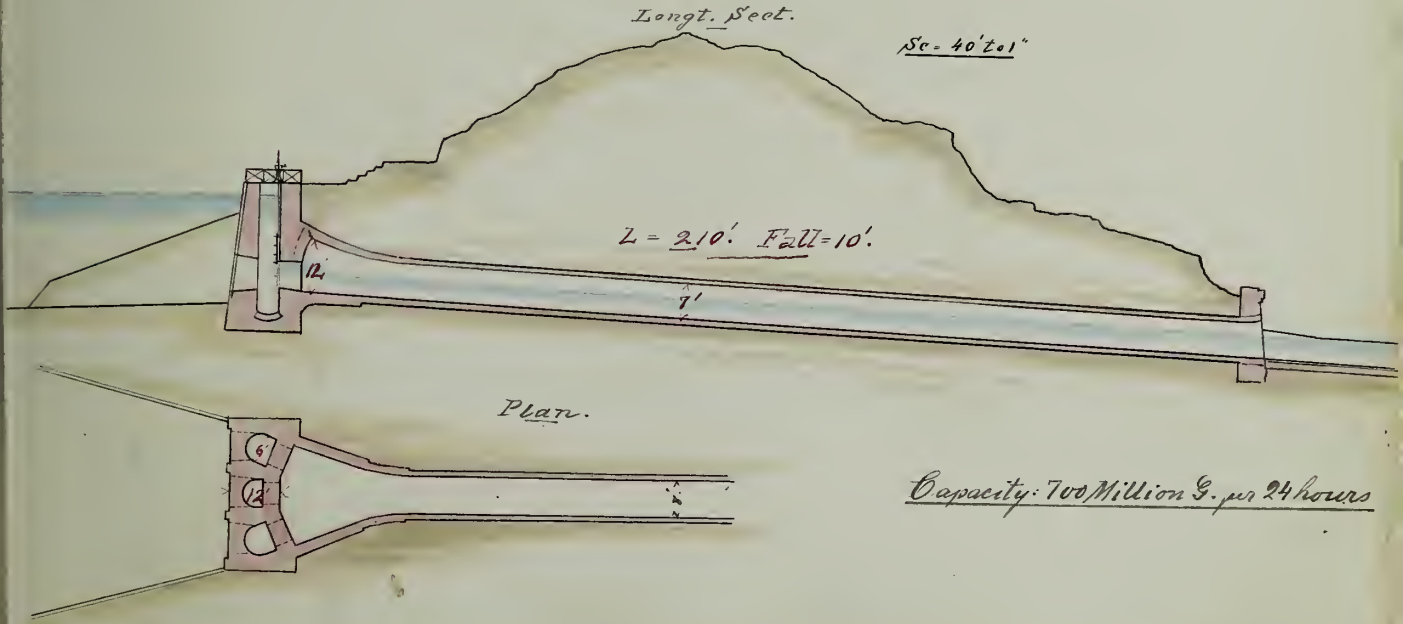
5117 - Acres.

Lake Pilarcitos.

Capacity 1100 Million Gall.s

Elevation: Top of Dam 700'.
High water 696'.

Pilarcitos Waste-Weir

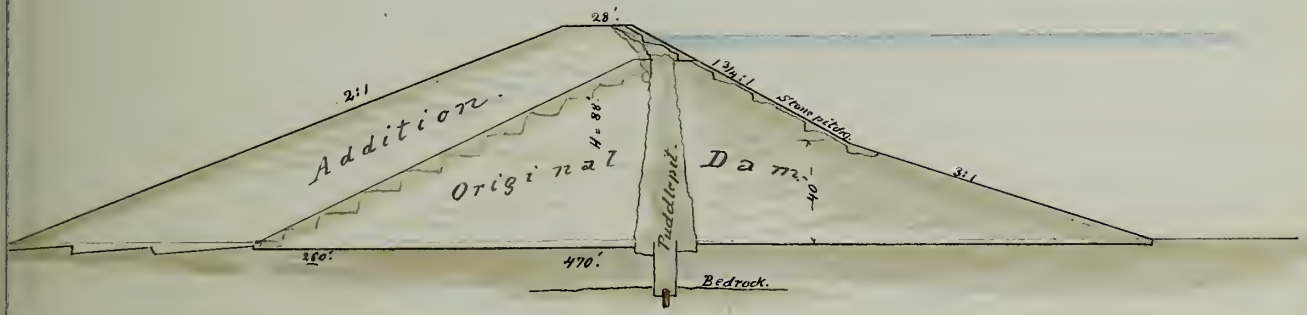


Capacity: 700 Million G. per 24 hours

Pilarcitos Main Dam.

Section

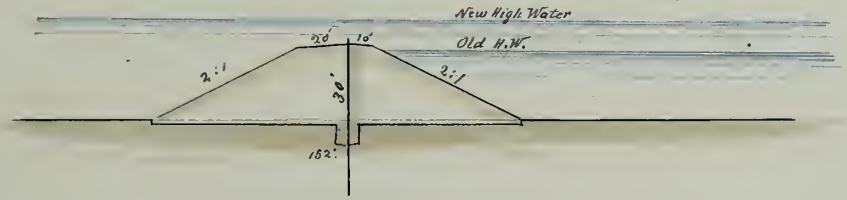
Scale = 80' : 1"



Upper Tilarcitos Reservir

Scale 40' to 1"

Section of Dam.

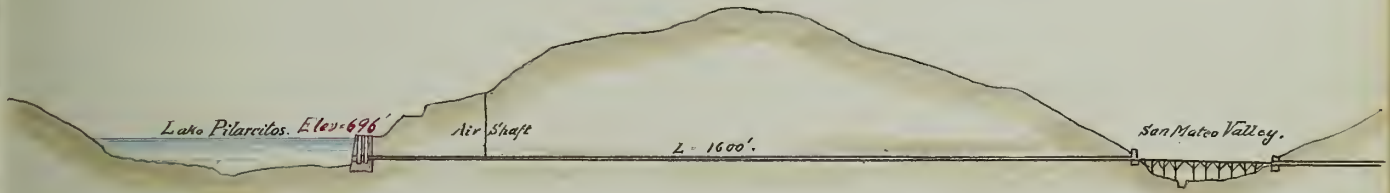


Tunnel No. I.

connecting Lake Pil. with San Mateo Valley

Longitudinal Section

Sc. 400' to 1":



Tunnel No. II.

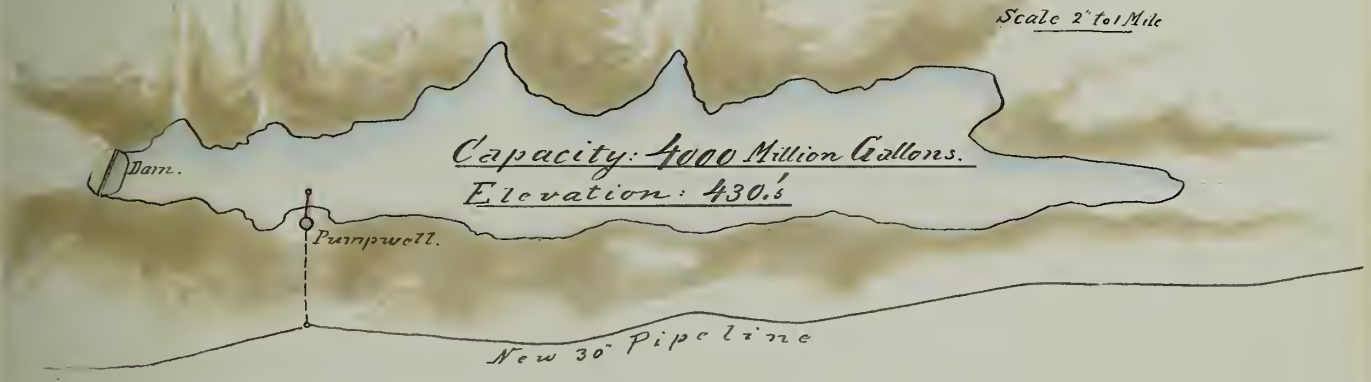
connecting San Mateo & San Andres Valleys

Longitudinal Section

Scale 400' to 1"

Length: 3420.'

New San Andres Reservoir



Area 431 Acres

Mean Depth at High Water (70 ft) 34 ft

Pumps.

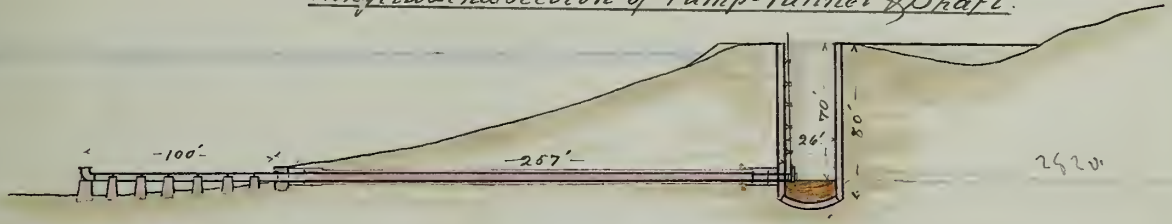
4 Cylinders, 10' stroke, 36" Diam. Lift = 170'. Average = 200'.

Discharge 20 Mill Gallons per 24 hours.

Diam. of Forcepipe = 38" Length = 1400 ft.

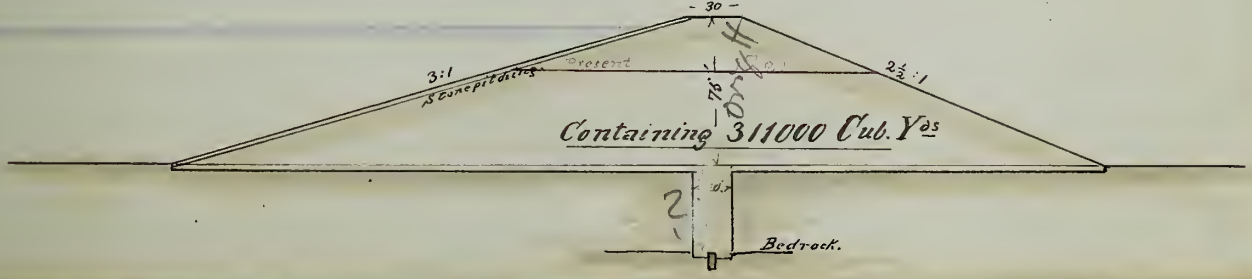
Details of San Andres Reservoir.

Longitudinal Section of Pump-Tunnel & Shaft.



Scale 100' to 1".

Cross-section of Dam.



Plan of pipeline connecting Pilarcitos Res.ⁿ with Lake Honda.

Main Pipeline Longitudinal Section

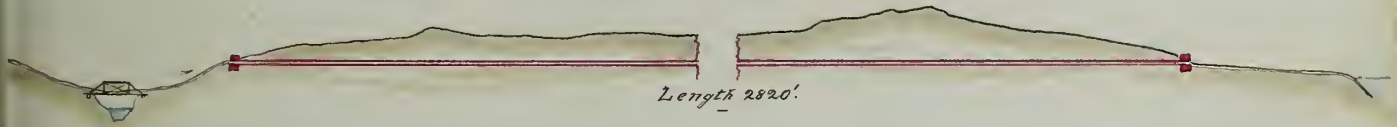
30" Diameter.

Capacity 12.500000 Galls per Diem

Tunnel No. III.

Longitudinal Section.

Scale 400 to 1"



Laguna Honda

Scale 200' to 1".

Explanation.

a. ---------- 3' Circular Sewer

b. -----o----- 4' Circ Sewer, with manholes

c. ———————— Egg shape Sewer, below bottom.

———— 30" Sheet-Iron City Main.

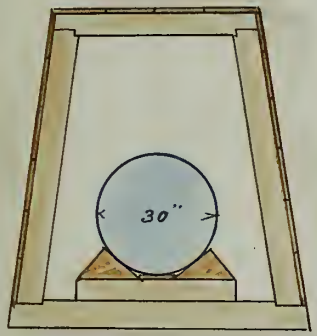
———— 20" — — — pipe.

Elevation: 367'.

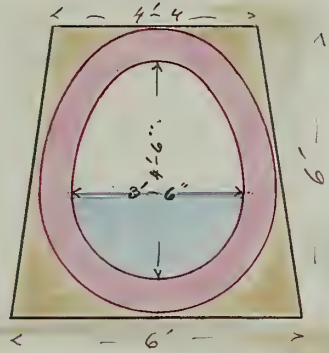
Capacity: Gallons.

Tunnels.

Section of Tunnel № I & Railroad Crossing's.



Section of Tunnels № 2 & 3. Scale ¼" to 1'

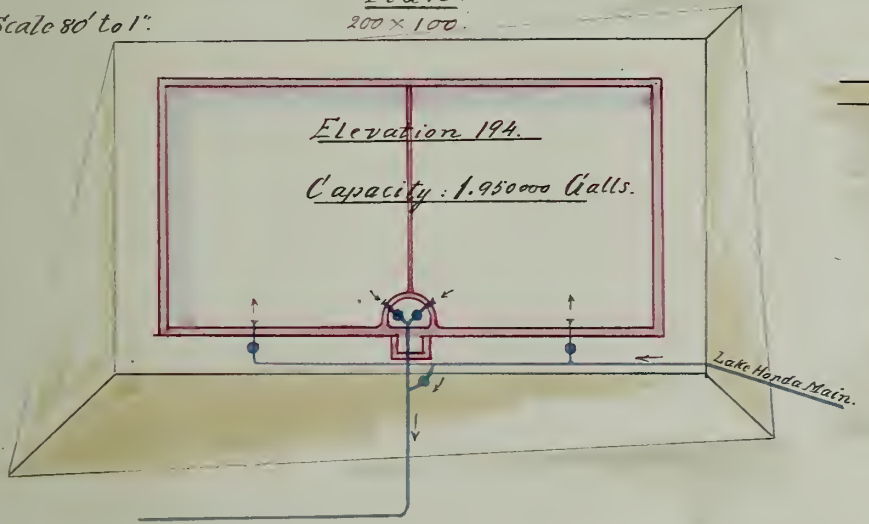


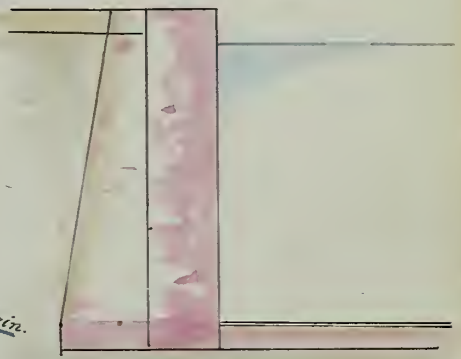
Market-Street-Reservoir.

Plan.

Scale 80' to 1".

200 × 100.



Sc. 8' to 1".

Section of Sidewall.